

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010224\
 Data File : VN080627.D
 Acq On : 02 Jan 2024 16:07
 Operator : JC\MD
 Sample : 06038-05 5X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T-803

Quant Time: Jan 03 01:46:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

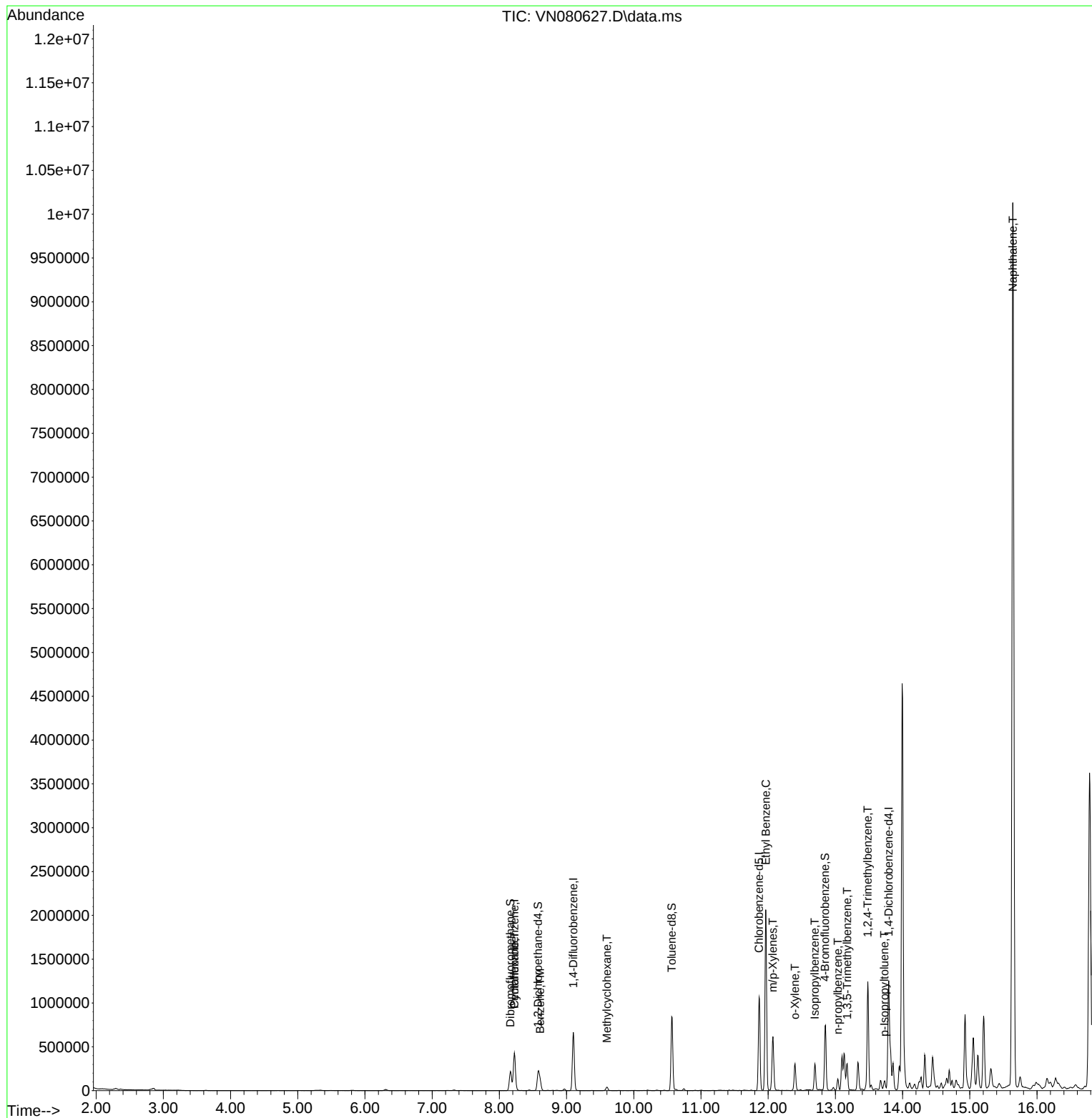
Internal Standards						
1) Pentafluorobenzene	8.224	168	307110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	578593	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	640359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	334370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	172824	43.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.740%		
35) Dibromofluoromethane	8.165	113	157543	42.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.200%		
50) Toluene-d8	10.565	98	606842	46.446	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.847	95	277535	63.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	126.240%#		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.224	56	13991	2.625	ug/l #	27
39) Methylcyclohexane	9.600	83	18124	3.837	ug/l	97
40) Benzene	8.606	78	118938	7.401	ug/l	94
67) Ethyl Benzene	11.965	91	1527450	68.585	ug/l	99
68) m/p-Xylenes	12.070	106	190025	22.996	ug/l	93
69) o-Xylene	12.400	106	86287	10.632	ug/l	92
73) Isopropylbenzene	12.694	105	202301	8.840	ug/l	100
78) n-propylbenzene	13.035	91	101905	3.894	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	159042	8.230	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	713046	36.442	ug/l	100
86) p-Isopropyltoluene	13.729	119	46005	2.827	ug/l	94
95) Naphthalene	15.641	128	9703484	558.901	ug/l	99

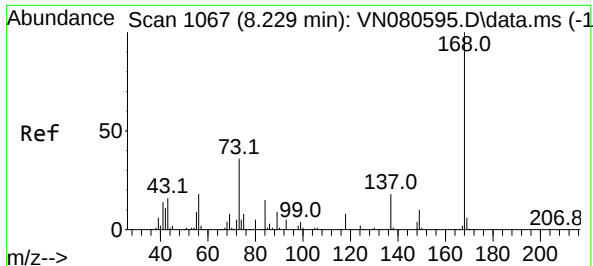
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 03 01:46:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 28 03:07:01 2023
Response via : Initial Calibration

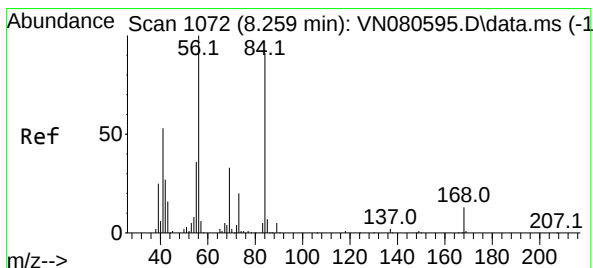
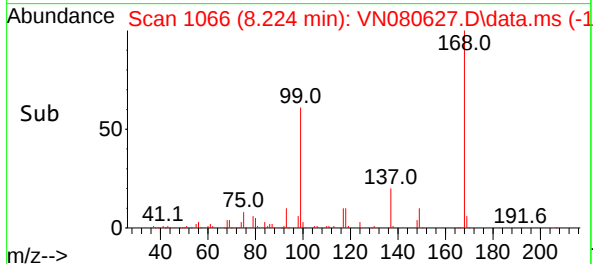
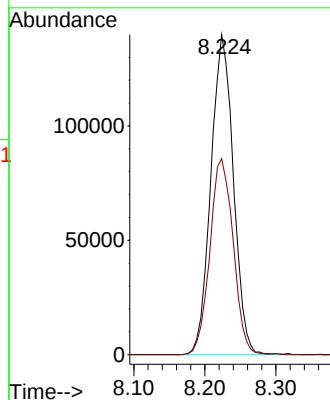
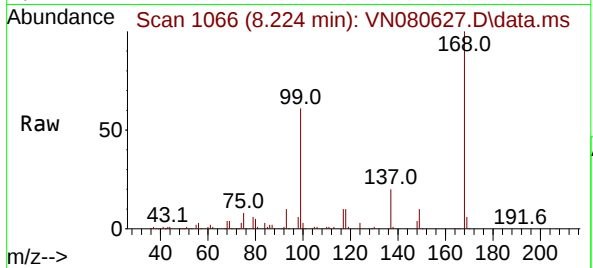




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

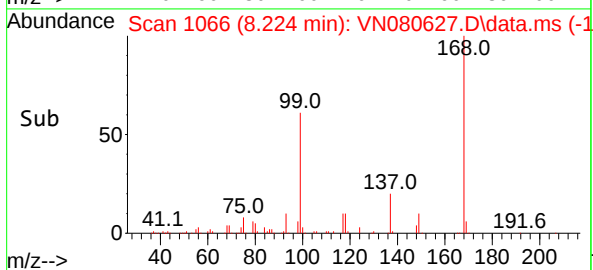
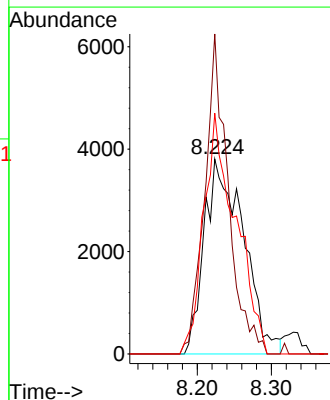
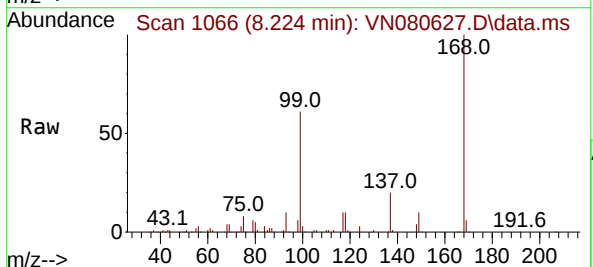
Instrument :
MSVOA_N
ClientSampleId :
T-803

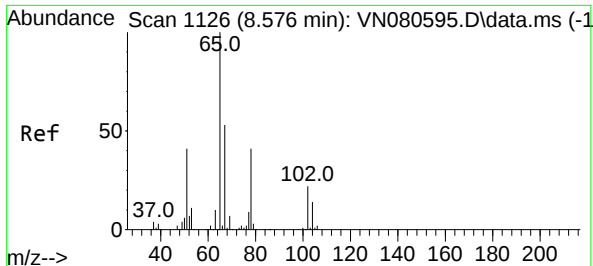
Tgt Ion:168 Resp: 307110
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#31
Cyclohexane
Concen: 2.625 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Tgt Ion: 56 Resp: 13991
Ion Ratio Lower Upper
56 100
69 164.2 26.8 40.2#
84 123.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 43.871 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

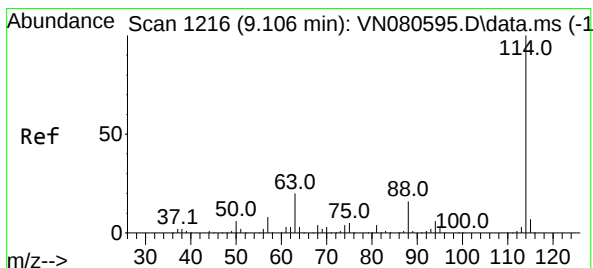
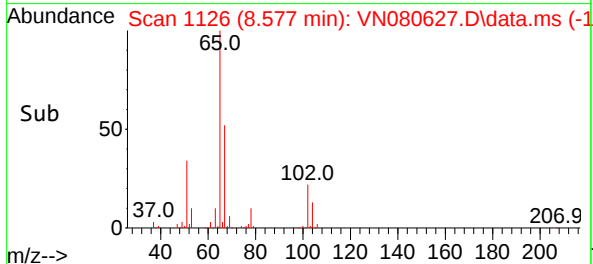
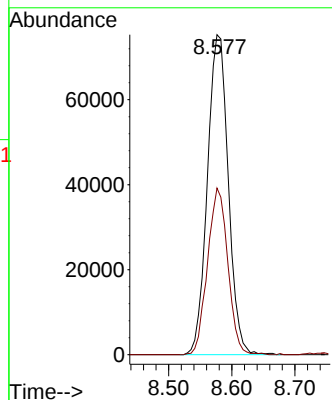
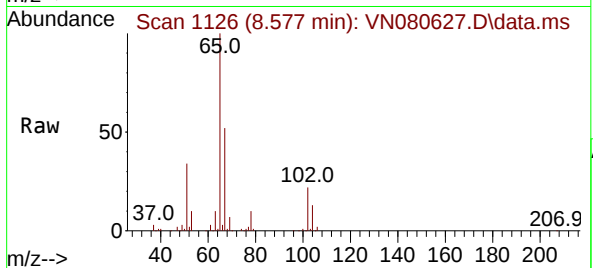
T-803

Tgt Ion: 65 Resp: 172824

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

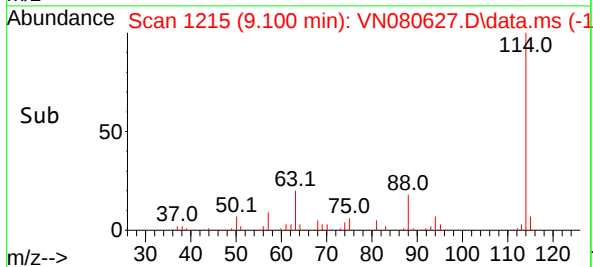
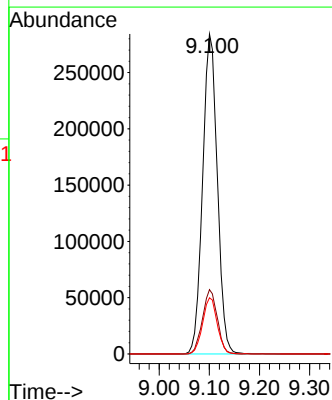
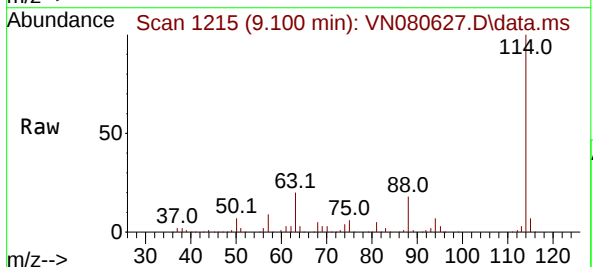
Tgt Ion: 114 Resp: 578593

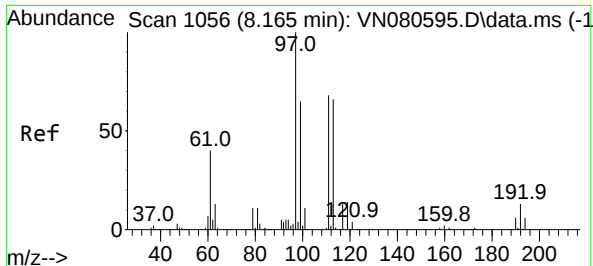
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.4

88 17.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 42.100 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

T-803

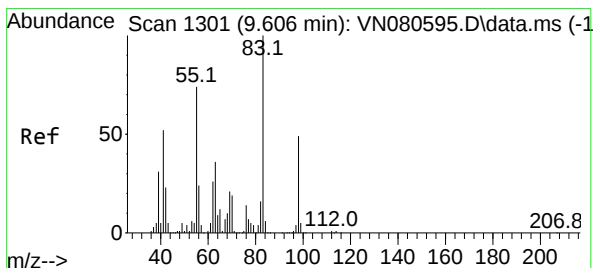
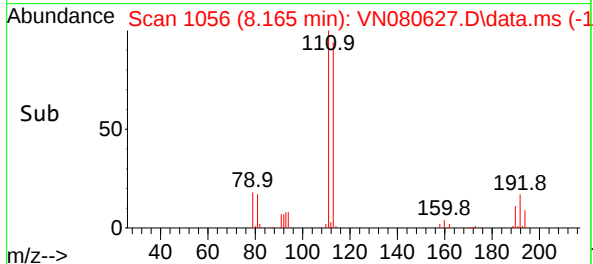
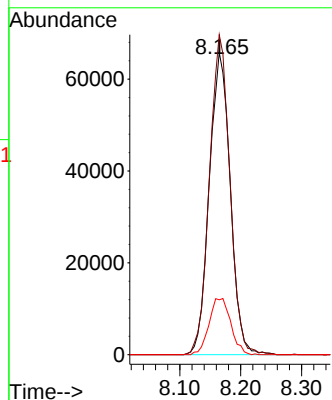
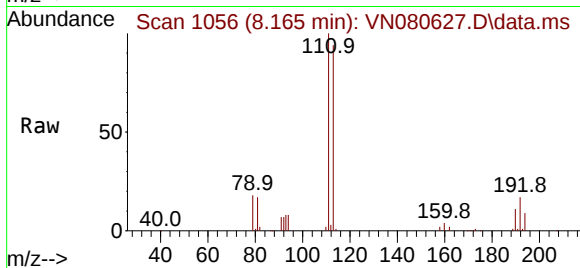
Tgt Ion:113 Resp: 157543

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 19.3 12.7 19.1#



#39

Methylcyclohexane

Concen: 3.837 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

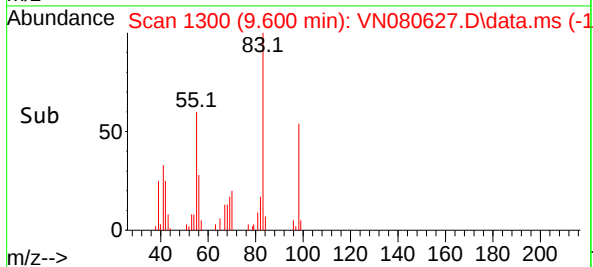
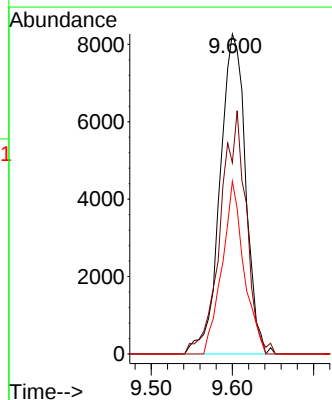
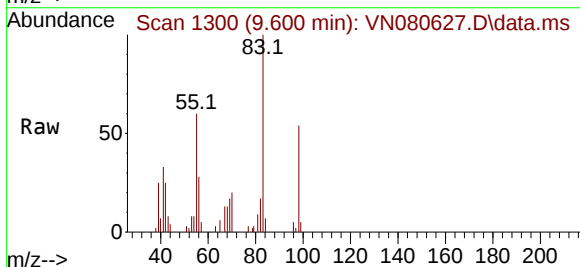
Tgt Ion: 83 Resp: 18124

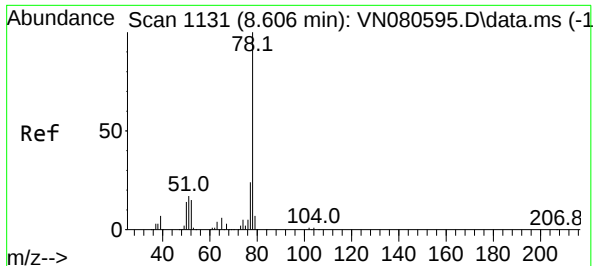
Ion Ratio Lower Upper

83 100

55 59.7 49.1 73.7

98 53.9 40.6 61.0

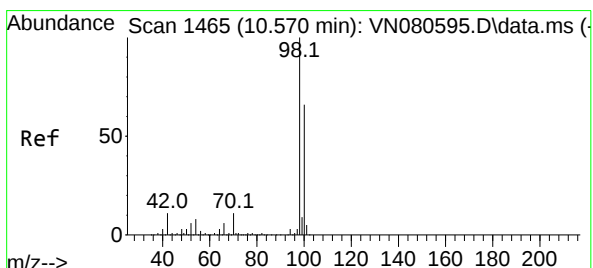
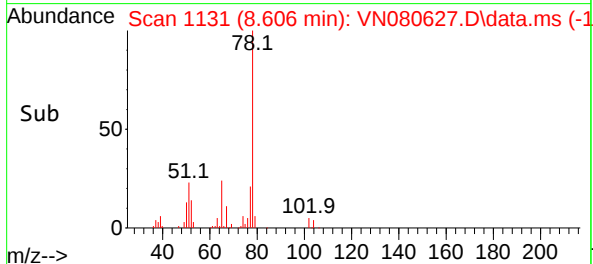
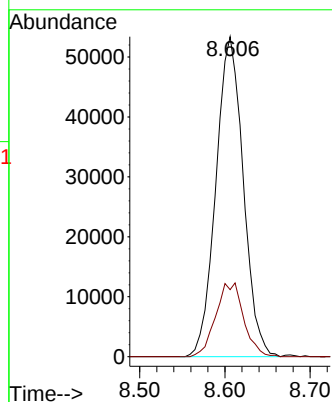
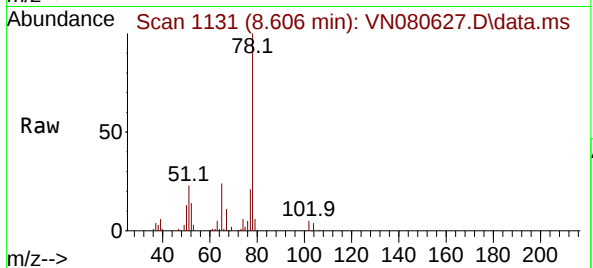




#40
Benzene
Concen: 7.401 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

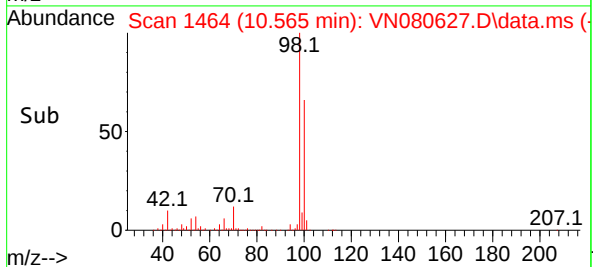
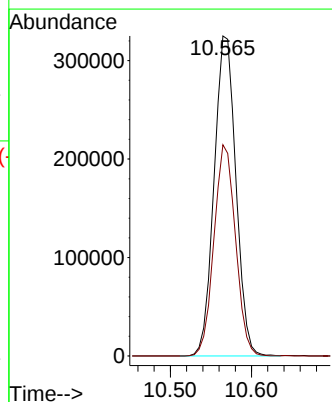
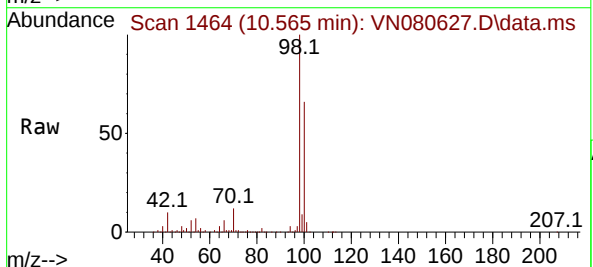
Instrument :
MSVOA_N
ClientSampleId :
T-803

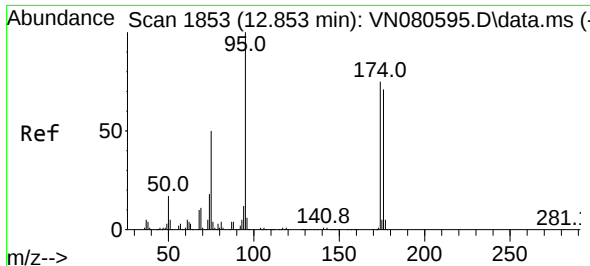
Tgt Ion: 78 Resp: 118938
Ion Ratio Lower Upper
78 100
77 21.0 19.0 28.6



#50
Toluene-d8
Concen: 46.446 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Tgt Ion: 98 Resp: 606842
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

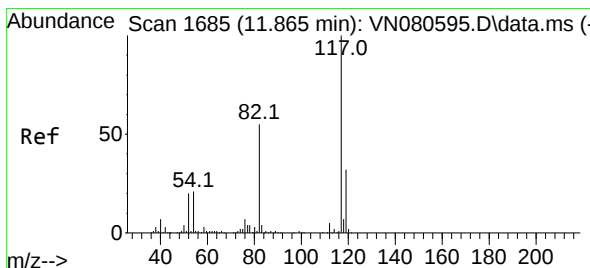
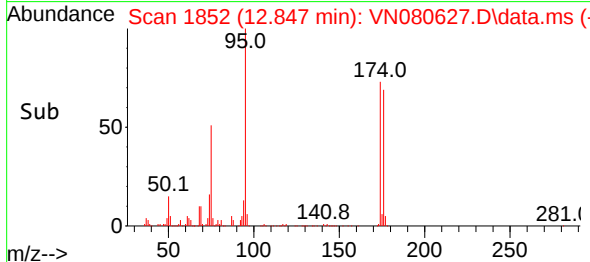
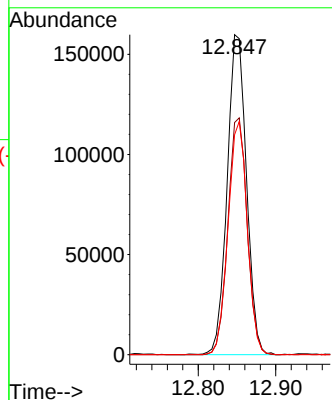
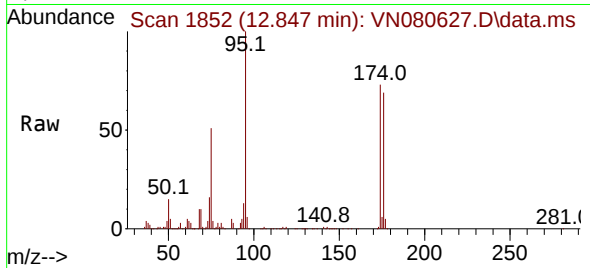




#62
4-Bromofluorobenzene
Concen: 63.117 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

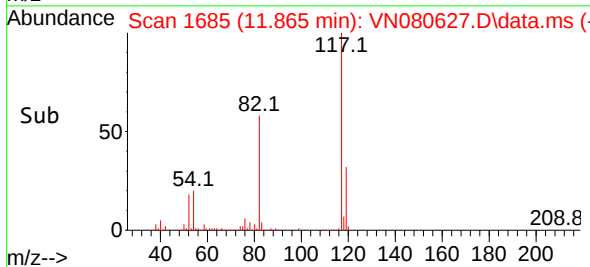
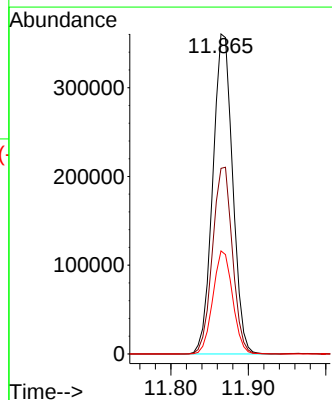
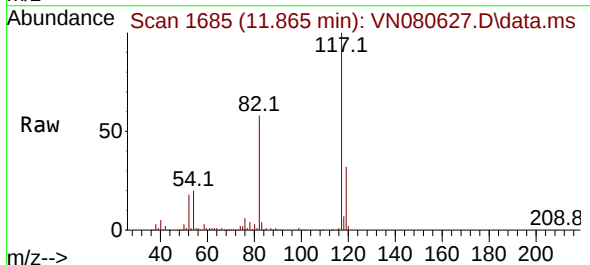
Instrument :
MSVOA_N
ClientSampleId :
T-803

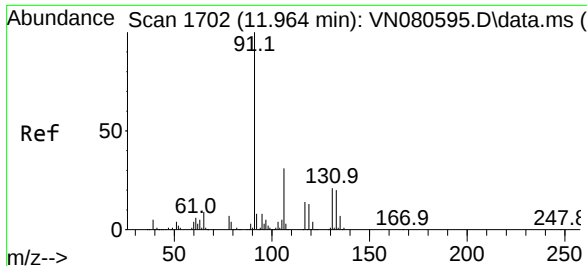
Tgt Ion: 95 Resp: 277535
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Tgt Ion: 117 Resp: 640359
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 32.2 25.6 38.4





#67

Ethyl Benzene

Concen: 68.585 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

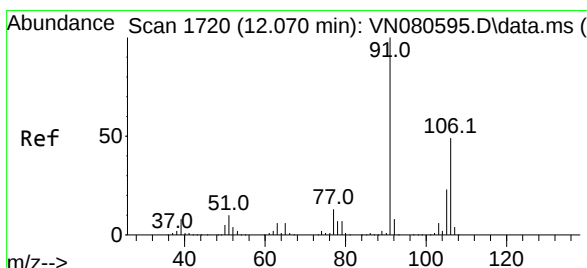
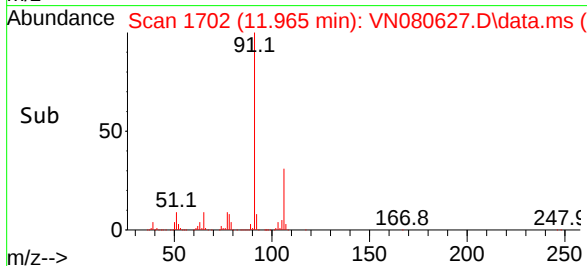
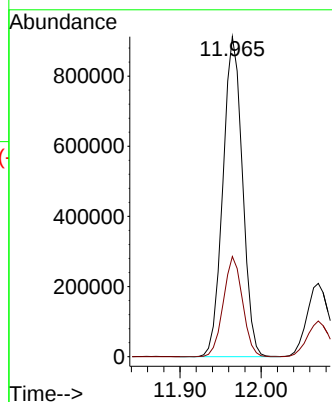
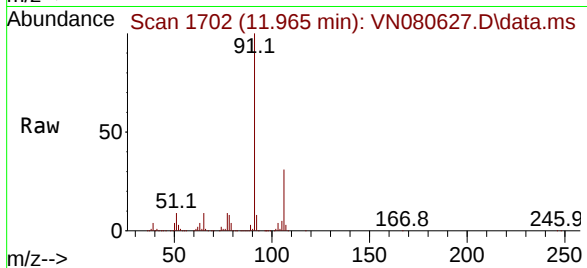
T-803

Tgt Ion: 91 Resp: 1527450

Ion Ratio Lower Upper

91 100

106 31.3 25.6 38.4



#68

m/p-Xylenes

Concen: 22.996 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN080627.D

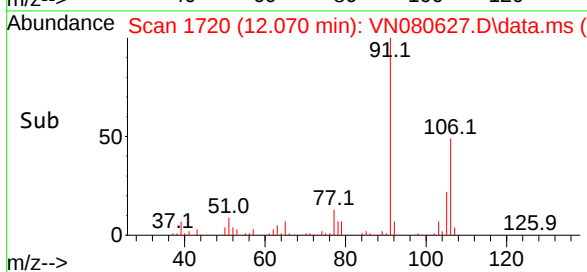
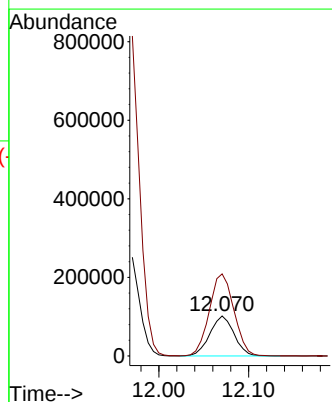
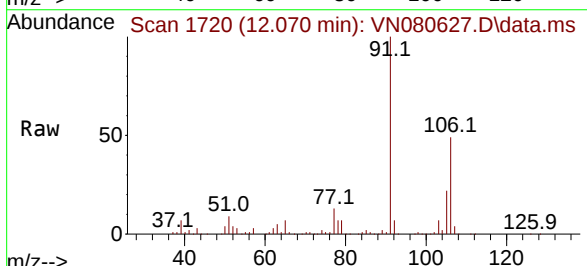
Acq: 02 Jan 2024 16:07

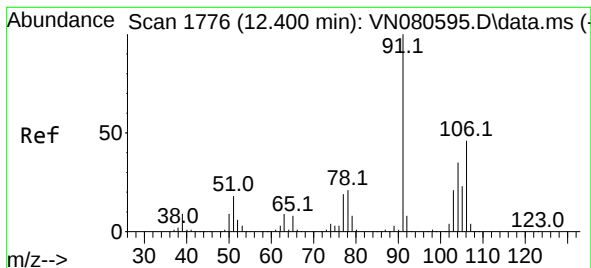
Tgt Ion:106 Resp: 190025

Ion Ratio Lower Upper

106 100

91 209.7 159.6 239.4





#69

o-Xylene

Concen: 10.632 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.000 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

Instrument :

MSVOA_N

ClientSampleId :

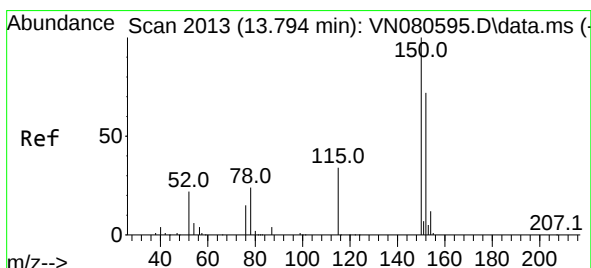
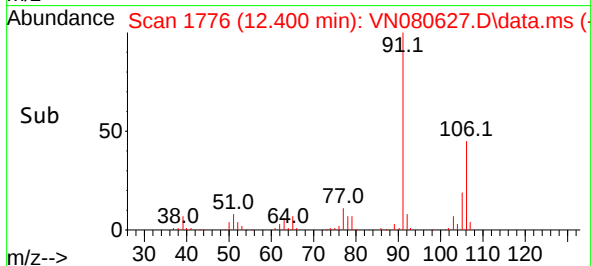
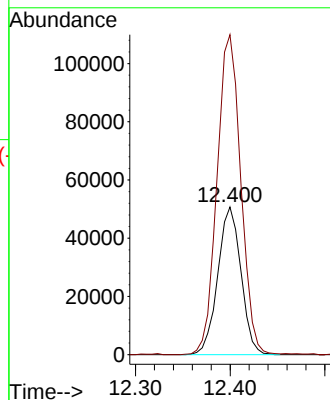
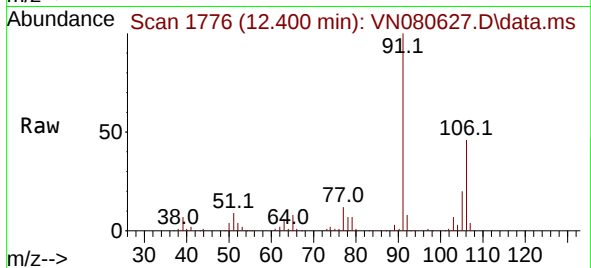
T-803

Tgt Ion:106 Resp: 86287

Ion Ratio Lower Upper

106 100

91 223.0 105.2 315.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080627.D

Acq: 02 Jan 2024 16:07

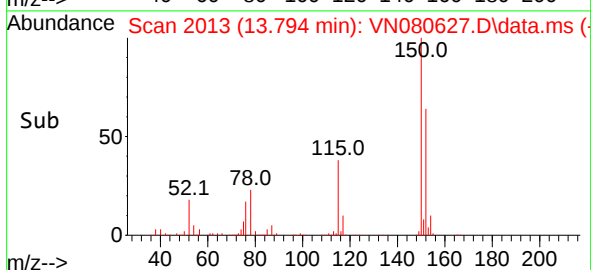
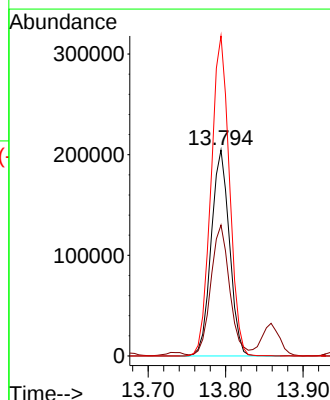
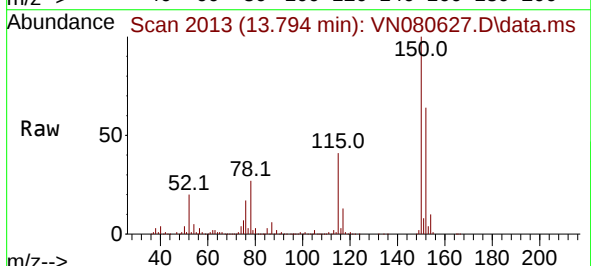
Tgt Ion:152 Resp: 334370

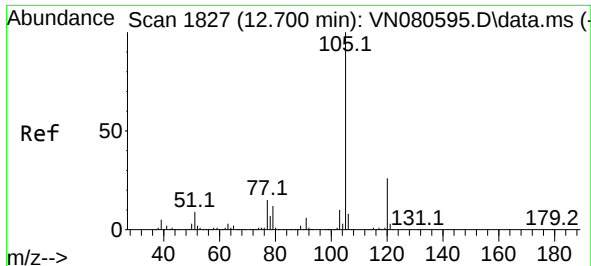
Ion Ratio Lower Upper

152 100

115 64.3 32.3 96.8

150 156.7 0.0 355.8

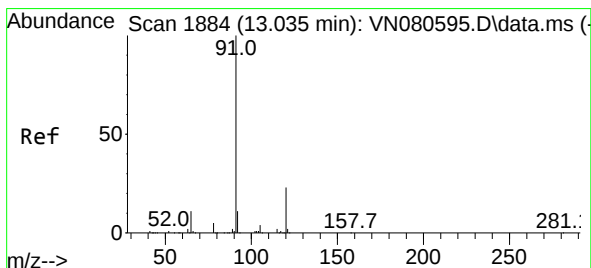
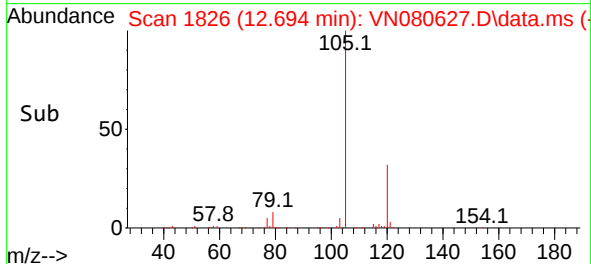
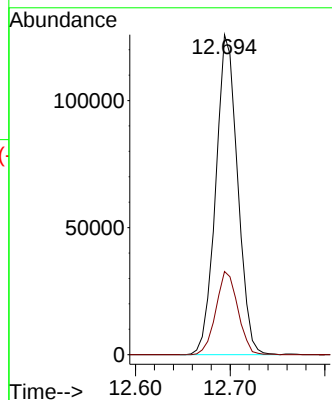
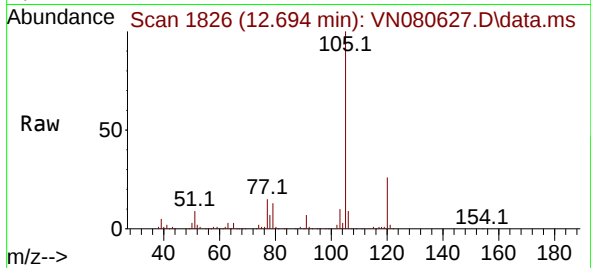




#73
Isopropylbenzene
Concen: 8.840 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

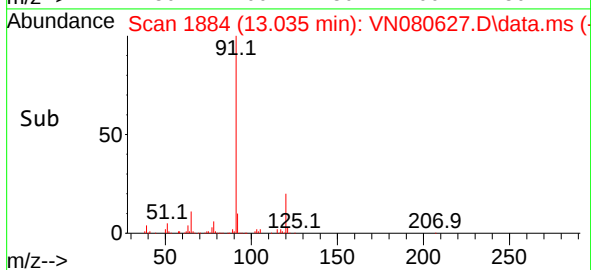
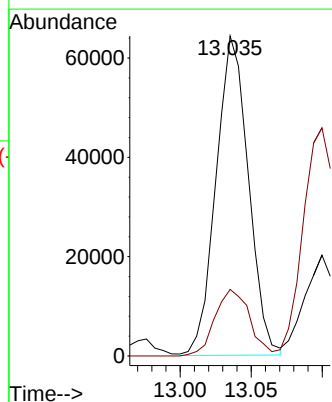
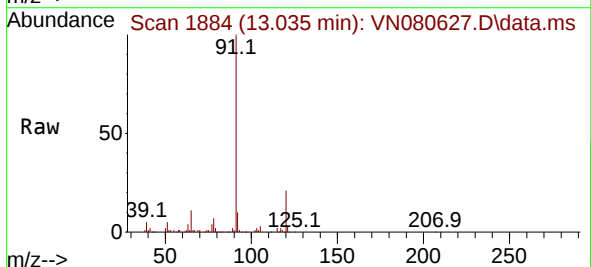
Instrument :
MSVOA_N
ClientSampleId :
T-803

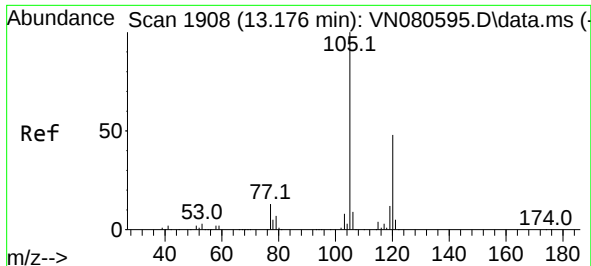
Tgt Ion:105 Resp: 202301
Ion Ratio Lower Upper
105 100
120 26.1 13.1 39.1



#78
n-propylbenzene
Concen: 3.894 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Tgt Ion: 91 Resp: 101905
Ion Ratio Lower Upper
91 100
120 22.3 11.5 34.4

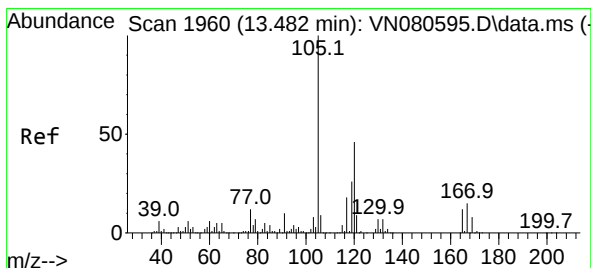
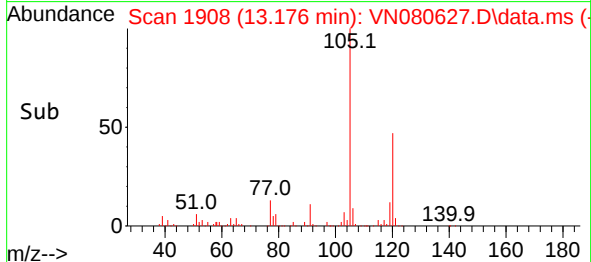
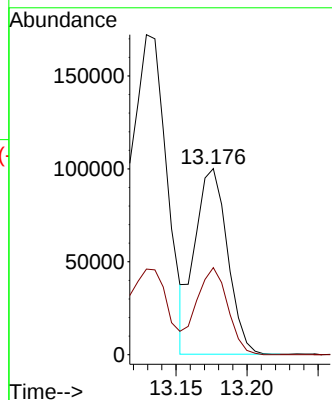
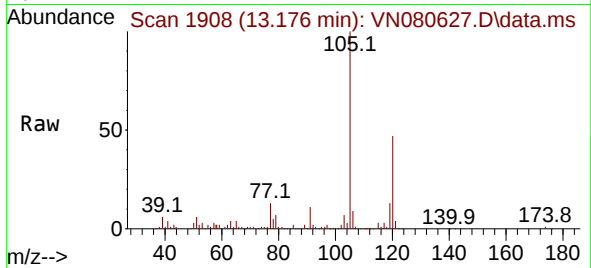




#80
1,3,5-Trimethylbenzene
Concen: 8.230 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

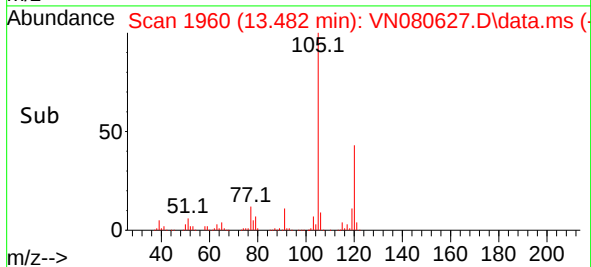
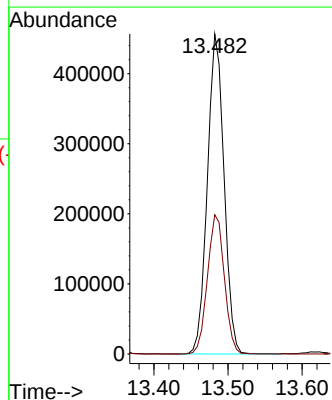
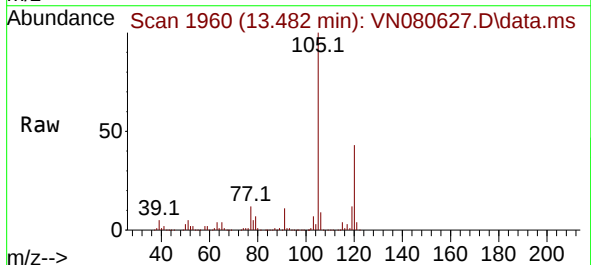
Instrument :
MSVOA_N
ClientSampleId :
T-803

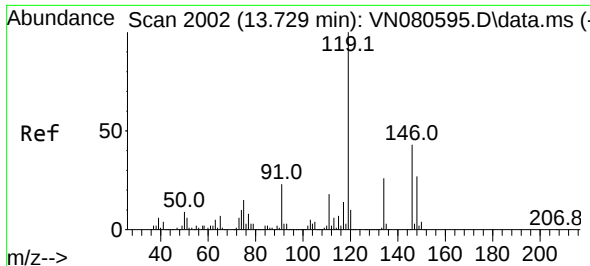
Tgt Ion:105 Resp: 159042
Ion Ratio Lower Upper
105 100
120 45.2 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 36.442 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Tgt Ion:105 Resp: 713046
Ion Ratio Lower Upper
105 100
120 44.2 22.0 66.0

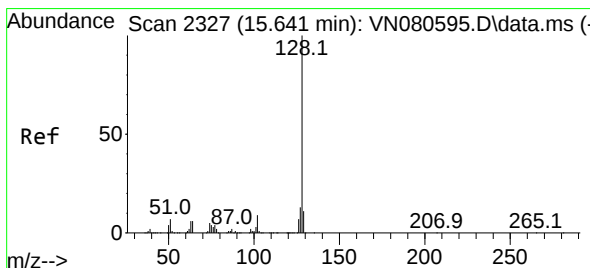
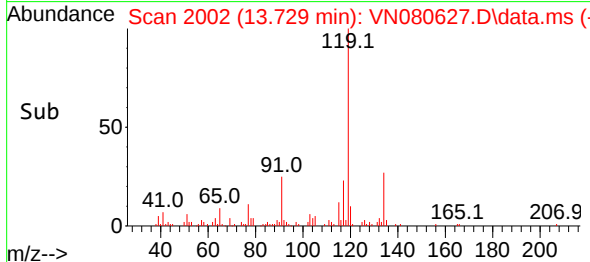
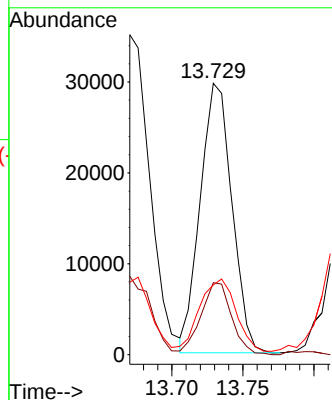
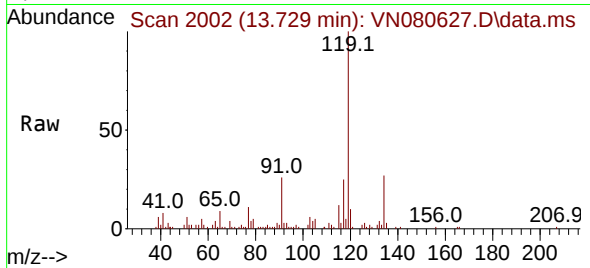




#86
p-Isopropyltoluene
Concen: 2.827 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Instrument :
MSVOA_N
ClientSampleId :
T-803

Tgt Ion:	119	Resp:	46005
Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.6	37.8
91	30.6	12.4	37.2



#95
Naphthalene
Concen: 558.901 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080627.D
Acq: 02 Jan 2024 16:07

Tgt Ion:	128	Resp:	9703484
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	11.0	8.7	13.1

